

ABSTRACT

A modified particle obtained by a process containing contacting a Bi compound, a compound having an
5 electron-withdrawing group and an active hydrogen and particle;
and a catalyst component for addition polymerization containing
the modified particle; a catalyst for addition polymerization
prepared by a process containing contacting the modified
particle(A) and a transition metal compound of Groups 3 to 11
10 or lanthanide series(B); and a catalyst for addition
polymerization prepared by a process containing contacting the
modified particle(A) and a transition metal compound of Groups
3 to 11 or lanthanide series(B) and an organoaluminum compound(C);
and a process for producing an addition polymer with the
15 catalyst.